

# **Oracle Utilities Customer Care and Billing**

Licensing Information User Manual

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# Chapter 1

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## Introduction

This Licensing Information document is a part of the product or program documentation under the terms of your Oracle license agreement and is intended to help you understand the program editions, entitlements, restrictions, prerequisites, special license rights, and/or separately licensed third party technology terms associated with the Oracle software program(s) covered by this document (the “Program(s)”). Entitled or restricted use products or components identified in this document that are not provided with the particular Program may be obtained from the Oracle Software Delivery Cloud website (<https://edelivery.oracle.com>) or from media Oracle may provide. If you have a question about your license rights and obligations, please contact your Oracle sales representative, review the information provided in Oracle’s Software Investment Guide (<http://www.oracle.com/us/corporate/pricing/software-investment-guide/index.html>), and/or contact the applicable Oracle License Management Services representative listed on <http://www.oracle.com/us/corporate/license-management-services/index.html>.

# Chapter 2

## Licensing Information

Each Oracle Utilities Customer Care and Billing product is comprised of multiple separately licensed subproducts, all of which are listed in this Chapter 2. There is one installer for all Oracle Utilities Customer Care and Billing products and subproducts, so all such products and subproducts may be installed on your system. However, you may only use the functions, engines and tools, as described in this document, that apply to the specific subproduct(s) that you have licensed from Oracle. You may not use any functions, engines or tools that apply to subproducts that you have not licensed from Oracle.

Product	Subproduct	Licensing Information
Oracle Utilities Customer Care and Billing for Residential Customers	Oracle Utilities Customer Care and Billing Base for Residential Customers	<p>Oracle Utilities Customer Care and Billing Base for Residential Customers provides functions for customer information and financial data management, customer care capabilities (such as customer contacts, orders, case management), meter and item device management, meter reading, and field work capabilities.</p> <p>A license to Oracle Utilities Customer Care and Billing Base for Residential Customers also includes restricted use licenses to:</p> <ul style="list-style-type: none"><li>• Oracle Utilities Meter Data Management</li><li>• Oracle Utilities Service Order Management</li><li>• Oracle Utilities Operational Device Management</li></ul> <p>Use of Oracle Utilities Meter Data Management is restricted to:</p> <ol style="list-style-type: none"><li>a. Storing details of meter devices used for traditional scalar billing* (device management and device installation)</li><li>b. Managing manual and drive-by reading requests and meter readings / reader remarks for meter devices used for traditional scalar billing</li><li>c. Storing details of meter readings / usage data (e.g. meter readings / consumption) received from external providers, used for traditional scalar billing</li></ol>

Product	Subproduct	Licensing Information
		<ul style="list-style-type: none"> <li>d. Managing unmetered item devices (device management and device installation)</li> <li>e. Service Investigative Orders for traditional scalar meter and unmetered item devices</li> </ul> <p>Note: This restricted use license allows users to create customizations for billing related data and service investigative orders for traditional scalar billing*. This restricted use license also allows users to create customizations for unmetered item device processes. This restricted use license does NOT allow users to create custom components related to other processes, including but not limited to processing data from frequently read scalar meter devices (where meter data is uploaded and validated daily), interval meter devices, device events, internet of things (IOT) devices, smart meter commands, non-billing aggregations, etc.</p> <p>Any use not expressly permitted above is not included and requires a separate full use license for Oracle Utilities Meter Data Management.</p> <p>Use of Oracle Utilities Service Order Management is restricted to:</p> <ul style="list-style-type: none"> <li>a. Requesting field work and managing field work completion details to and from mobile workforce management systems for scalar billing* meters and unmetered item devices</li> <li>b. Requesting field work and managing field work completion details to and from mobile workforce management systems that are not directly related to any types of devices (e.g. tree trimming requests, etc.)</li> </ul> <p>Any use not expressly permitted above is not included and requires a separate full use license for Oracle Utilities Service Order Management.</p> <p>Use of Oracle Utilities Operational Device Management is restricted to traditional scalar devices.</p> <p>Any use not expressly permitted above is not included and requires a separate full use license for Oracle Utilities Operational Device Management.</p> <p>*Scalar billing refers to readings or quantities that are typically uploaded and validated at the same frequency as the creation of bills related to those meter devices. Where granularity of usage is monthly or longer, these are also treated as scalar billing, irrespective of bill frequency. Scalar billing does not include register reads or interval data coming from interval/smart devices.</p>

Product	Subproduct	Licensing Information
		<p>* Examples of scalar billing include:</p> <ul style="list-style-type: none"> <li>• Scalar meter data uploaded and validated monthly and billed monthly</li> <li>• Scalar meter data uploaded and validated monthly and billed quarterly</li> </ul> <p>Examples of billing not included with these Restricted Use Licenses include but are not limited to:</p> <ul style="list-style-type: none"> <li>• Meter data that is uploaded and validated daily but billed monthly</li> <li>• MV90 Meters read monthly</li> <li>• Interval data or register reads from smart meters</li> <li>• Interval data or register reads from interval meters</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• Oracle Database Server Standard and Enterprise Editions are supported. Note: Oracle Database Enterprise Edition and the Partitioning and Advanced Compression options are not mandatory but recommended. Standard Edition should only be considered suitable for very small, pilot projects or development environments where scalability, performance, and database size-on-disk are not important considerations. Oracle Database Enterprise Edition, including the Advanced Compression and Partitioning options, is strongly recommended in all other situations.</li> <li>• Oracle WebLogic Server Standard and Enterprise (required if using application clustering) Editions are supported.</li> <li>• Oracle Utilities Customer Self Service Oracle Utilities Customer Care and Billing XAI Inbound Services / Oracle Utilities Customer Care and Billing Inbound Web Services commencing with 'WX' may only be used when users have separately licensed Oracle Utilities Customer Self Service.</li> </ul>
	Oracle Utilities Customer Care and Billing Credit and Collections for Residential Customers	<p>Oracle Utilities Customer Care and Billing Credit and Collections for Residential Customers provides functions for receivables management activities to manage incoming payments (except for the payment functions described under Oracle Utilities Customer Care and Billing Cashiering for Residential Customers), credit &amp; collections / overdue processing related activities to segment the customer base and respond when payments are not forthcoming, pay plans, payment arrangements and deposits.</p> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• Oracle Utilities Customer Care and Billing Base for Residential Customers</li> </ul>

Product	Subproduct	Licensing Information
	Oracle Utilities Customer Care and Billing Rating and Billing for Residential Customers	<p data-bbox="873 220 1500 338">Oracle Utilities Customer Care and Billing Rating and Billing for Residential Customers provides rates and billing engines that can perform simple to complex calculations to produce bills and statements containing one or many sets of charges.</p> <p data-bbox="873 380 1500 464">A license to Oracle Utilities Customer Care and Billing Rating and Billing for Residential Customers also includes a restricted use license to:</p> <ul data-bbox="922 474 1386 495" style="list-style-type: none"> <li data-bbox="922 474 1386 495">• Oracle Utilities Meter Data Management</li> </ul> <p data-bbox="873 516 1500 642">Use of Oracle Utilities Meter Data Management is restricted to the following functions solely to support the use of scalar billing* functions in Oracle Utilities Customer Care and Billing Rating and Billing for Residential Customers</p> <ol data-bbox="922 646 1500 877" style="list-style-type: none"> <li data-bbox="922 646 1500 772">a. Data validation, editing, and estimation (VEE) and creating usage transactions and scalar billing determinants for supporting traditional scalar billing* processes</li> <li data-bbox="922 789 1500 877">b. Estimating and creating usage transactions and bill determinants for supporting unmetered item billing processes</li> </ol> <p data-bbox="873 894 1500 1104">*Scalar billing refers to readings or quantities that are typically uploaded and validated at the same frequency as the creation of bills related to those meter devices. Where granularity of usage is monthly or longer, these are also treated as scalar billing, irrespective of bill frequency. Scalar billing does not include register reads or interval data coming from interval/smart devices.</p> <p data-bbox="873 1146 1224 1167">Examples of scalar billing include:</p> <ul data-bbox="922 1178 1484 1318" style="list-style-type: none"> <li data-bbox="922 1178 1484 1241">• Scalar meter data uploaded and validated monthly and billed monthly</li> <li data-bbox="922 1255 1484 1318">• Scalar meter data uploaded and validated monthly and billed quarterly</li> </ul>



Product	Subproduct	Licensing Information
		<p>Examples of billing not included with the restricted use license include but not limited to:</p> <ul style="list-style-type: none"> <li>• Meter data that is uploaded and validated daily but billed monthly</li> <li>• MV-90 Meters read monthly</li> <li>• Interval data or register reads from smart meters</li> <li>• Interval data or register reads from interval meters</li> </ul> <p>Note: This restricted use license allows users to create customizations for VEE (validating, estimating, editing measurement data) and scalar billing* determinants. This restricted use license also allows users to create customizations for unmetered item billing processes.</p> <p>This restricted use license excludes the use of Oracle Utilities Meter Data Management for other processes, including but not limited to: processing data for the purpose of interval billing (interval data or corresponding register reads), daily scalar billing (where meter data is uploaded and validated daily), device events, internet of things (IOT) devices, service investigation orders, smart meter commands, non-billing aggregations, etc. Further, this restricted use license does NOT allow users to create custom components related for the purposes of interval billing (interval data or corresponding register reads), daily scalar billing (where meter data is uploaded and validated daily) or other processes, including but not limited to processing data from frequently read scalar meter devices (where meter data is uploaded and validated daily), interval meter devices, device events, internet of things (IOT) devices, service investigative orders, smart meter commands, non-billing aggregations, etc.</p> <p>Any use not expressly permitted above is not included and requires a separate full use license for Oracle Utilities Meter Data Management.</p> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• Oracle Utilities Customer Care and Billing Base for Residential Customers</li> </ul>

Product	Subproduct	Licensing Information
	Oracle Utilities Customer Care and Billing Rating and Billing for Interval Data for Residential Customers	<p data-bbox="873 222 1503 338">Oracle Utilities Customer Care and Billing Rating and Billing for Interval Data for Residential Customers provides rating and billing functions to manage time-series or interval data and transform this data for use in complex billing scenarios.</p> <p data-bbox="873 380 1503 531">A license to Oracle Utilities Customer Care and Billing Rating and Billing for Interval Data for Residential Customers includes licenses to Oracle Utilities Meter Data Management and Oracle Utilities Customer Care and Billing Integration to Oracle Utilities Meter Data Management.</p> <p data-bbox="873 573 1503 625">Use of Oracle Utilities Meter Data Management is restricted to</p> <ul style="list-style-type: none"> <li data-bbox="922 636 1503 720">a. Data originating from interval meters including interval measurements or interval register measurements, and</li> <li data-bbox="922 741 1503 825">b. The following functions solely to support use of billing functions in Oracle Utilities Customer Care and Billing for Residential Customers: <ul style="list-style-type: none"> <li data-bbox="971 846 1503 909">a. Interval measurements* from interval meters, consisting solely of the following: <p data-bbox="1019 930 1503 1140">Loading interval measurements; limited interval data validation, editing and estimation (VEE) functionality (restricted to: Interval Size Validation, Interval Spike Check, and Interval Averaging Estimation); and creating usage transactions and bill determinants to support interval billing processes, and</p> </li> <li data-bbox="971 1161 1503 1587">b. Interval register measurements** from interval meters, consisting solely of the following: <p data-bbox="1019 1245 1503 1587">Loading interval register measurements; limited interval register reading validation, editing and estimation (VEE) functionality (restricted to: Final Measurement Validation, High/Low Check, Multiplier Check, Negative Consumption Check, Raise Missing Quantity Exception, Unit of Measure Check, Zero Consumption Check, Scalar Estimation and Scalar Proration); and creating usage transactions and bill determinants to support interval register measurement billing processes.</p> </li> </ul> </li> </ul>

Product	Subproduct	Licensing Information
		<p>Note: This restricted use license allows users to create customizations to support validating and estimating measurements and creating bill determinants from interval meters. This restricted use license does NOT allow users to create custom components related to other processes such as processing data from traditional scalar meters (non-interval capable devices), device events, smart meter commands, non-billing aggregations, service orders, reader remarks, etc.</p> <p>Any use not expressly permitted above is not included and requires a separate full use license for Oracle Utilities Meter Data Management.</p> <p>* Interval measurements are defined as meter readings or quantities read at fixed time periods of at least once per hour (interval data does not include scalar/register readings or device events).</p> <p>** Interval register measurements are defined as meter readings or quantities read at intermittent periods (usually not a fixed time period) from an interval meter. These register measurements do not occur as frequently as interval measurements and are often used to validate interval measurements. Interval measurements do NOT include data coming from traditional scalar register meters (non-interval capable devices)</p> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>Oracle Utilities Customer Care and Billing Rating and Billing for Residential Customers</li> </ul>
	Oracle Utilities Customer Care and Billing Cashiering for Residential Customers	<p>Oracle Utilities Customer Care and Billing Cashiering for Residential Customers provides advanced online payment functions, through the included Payment Portal screen, to support the process of accepting different types of payments, such as CIS and Non CIS payments, and payments in alternate or multiple currencies.</p> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>Oracle Utilities Customer Care and Billing Credit and Collections for Residential Customers</li> </ul>
	Oracle Utilities Customer Care and Billing Task Optimization Tools for Residential Customers	<p>Oracle Utilities Customer Care and Billing Task Optimization Tools for Residential Customers contains a set of browser-based tools used to develop custom user interfaces and extend the application without the need for database changes or complex programming. These include portals, zones, business objects, business services, user interface maps, data areas and managed content.</p> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>Oracle Utilities Customer Care and Billing Base for Residential Customers.</li> </ul>

Product	Subproduct	Licensing Information
	Oracle Utilities Customer Care and Billing Archiving for Residential Customers	<p data-bbox="873 222 1503 436">Oracle Utilities Customer Care and Billing Archiving for Residential Customers contains a set of processes, algorithm types, and ILM-specific fields to support Information Lifecycle Management (ILM) functions for a number of high volume transactional data objects. These identify eligible historical records to facilitate the migration of data to lower cost storage or archived database.</p> <p data-bbox="873 474 1503 596">A license to Oracle Utilities Customer Care and Billing Archiving for Residential Customers also includes a restricted use license to Oracle Utilities Information Lifecycle Management for Meter Data.</p> <p data-bbox="873 634 1503 688">Use of Oracle Utilities Information Lifecycle Management for Meter Data is restricted to:</p> <ul style="list-style-type: none"> <li data-bbox="922 697 1451 751">a. Archiving of meter data used solely to support traditional scalar billing* functions</li> </ul> <p data-bbox="873 806 1503 1054">Note: Oracle Utilities Information Lifecycle Management for Meter Data does not support archiving scalar billing* data only. Customers wishing to use this archiving module will be required to purchase a license to Oracle Utilities Information Lifecycle Management for Meter Data for their other non-scalar billing devices. Any use not expressly permitted above is not included and requires a separate full use license for Oracle Utilities Information Lifecycle Management for Meter Data.</p> <p data-bbox="873 1092 1503 1306">*Scalar billing refers to readings or quantities that are typically uploaded and validated at the same frequency as the creation of bills related to those meter devices. Where granularity of usage is monthly or longer, these are also treated as scalar billing, irrespective of bill frequency. Scalar billing does not include register reads or interval data coming from interval/smart devices.</p> <p data-bbox="873 1344 1024 1365"><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li data-bbox="922 1377 1409 1398">• Oracle Database Server Enterprise Edition</li> </ul> <p data-bbox="967 1423 1503 1478"><b>Note:</b> Oracle Database Enterprise Edition and the Partitioning option is mandatory.</p> <ul style="list-style-type: none"> <li data-bbox="922 1503 1503 1558">• Oracle Utilities Customer Care and Billing Base for Residential Customers</li> </ul>

Product	Subproduct	Licensing Information
	Oracle Utilities Customer Care and Billing Customer Program Management for Residential Customers	<p>Oracle Utilities Customer Care and Billing Customer Program Management for Residential Customers provides functions for implementing a variety of initiatives to encourage targeted customers to participate in a specific program or programs. It allows a structured marketing effort for each initiative to be configured, an initiative's individual leads to be assigned and managed by representatives, and specific business processing to be applied based on the customer's specific response to an initiative.</p> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• Oracle Utilities Customer Care and Billing Base for Residential Customers</li> </ul>
Oracle Utilities Customer Care and Billing for Commercial & Industrial Customers	Oracle Utilities Customer Care and Billing Base for Commercial & Industrial Customers	<p>Oracle Utilities Customer Care and Billing Base for Commercial &amp; Industrial Customers provides functions for supporting customer information and financial data management, customer care capabilities (such as customer contacts, orders, case management), meter and item device management, meter reading, and field work capabilities.</p> <p>A license to Oracle Utilities Customer Care and Billing Base for Commercial &amp; Industrial Customers also includes restricted use licenses to:</p> <ul style="list-style-type: none"> <li>• Oracle Utilities Meter Data Management</li> <li>• Oracle Utilities Service Order Management</li> <li>• Oracle Utilities Operational Device Management</li> </ul> <p>Use of Oracle Utilities Meter Data Management is restricted to:</p> <ol style="list-style-type: none"> <li>a. Storing details of meter devices used for traditional scalar billing* (device management and device installation)</li> <li>b. Managing manual and drive-by reading requests and meter readings / reader remarks for meter devices used for traditional scalar billing</li> <li>c. Storing details of meter readings / usage data (e.g. meter readings / consumption) received from external providers, used for traditional scalar billing</li> <li>d. Managing unmetered item devices (device management and device installation)</li> <li>e. Service Investigative Orders for traditional scalar meter and unmetered item devices</li> </ol>

Product	Subproduct	Licensing Information
		<p>Note: This restricted use license allows users to create customizations for billing related data and service investigative orders for traditional scalar billing*. This restricted use license also allows users to create customizations for unmetered item device processes. This restricted use license does NOT allow users to create custom components related to other processes, including but not limited to processing data from frequently read scalar meter devices (where meter data is uploaded and validated daily), interval meter devices, device events, internet of things (IOT) devices, smart meter commands, non-billing aggregations, etc.</p> <p>Any use not expressly permitted above is not included and requires a separate full use license for Oracle Utilities Meter Data Management.</p> <p>Use of Oracle Utilities Service Order Management is restricted to:</p> <ol style="list-style-type: none"> <li>a. Requesting field work and managing field work completion details to and from mobile workforce management systems for scalar billing* meters and unmetered item devices</li> <li>b. Requesting field work and managing field work completion details to and from mobile workforce management systems that are not directly related to any types of devices (e.g. tree trimming requests, etc.)</li> </ol> <p>Any use not expressly permitted above is not included and requires a separate full use license for Oracle Utilities Service Order Management.</p> <p>Use of Oracle Utilities Operational Device Management is restricted to traditional scalar devices.</p> <p>Any use not expressly permitted above is not included and requires a separate full use license for Oracle Utilities Operational Device Management.</p> <p>*Scalar billing refers to readings or quantities that are typically uploaded and validated at the same frequency as the creation of bills related to those meter devices. Where granularity of usage is monthly or longer, these are also treated as scalar billing, irrespective of bill frequency. Scalar billing does not include register reads or interval data coming from interval/smart devices.</p> <p>* Examples of scalar billing include:</p> <ul style="list-style-type: none"> <li>• Scalar meter data uploaded and validated monthly and billed monthly</li> <li>• Scalar meter data uploaded and validated monthly and billed quarterly</li> </ul>

Product	Subproduct	Licensing Information
		<p>Examples of billing not included with these Restricted Use Licenses include but are not limited to:</p> <ul style="list-style-type: none"> <li>• Meter data that is uploaded and validated daily but billed monthly</li> <li>• MV90 Meters read monthly</li> <li>• Interval data or register reads from smart meters</li> <li>• Interval data or register reads from interval meters</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• Oracle Database Server</li> </ul> <p>Standard and Enterprise Editions are supported.</p> <p>Note: Oracle Database Enterprise Edition and the Partitioning and Advanced Compression options are not mandatory but recommended. Standard Edition should only be considered suitable for very small, pilot projects or development environments where scalability, performance, and database size-on-disk are not important considerations. Oracle Database Enterprise Edition, including the Advanced Compression and Partitioning options, is strongly recommended in all other situations.</p> <ul style="list-style-type: none"> <li>• Oracle WebLogic Server Standard and Enterprise (required if using application clustering) Editions are supported.</li> <li>• Oracle Utilities Customer Self Service</li> </ul> <p>Oracle Utilities Customer Care and Billing XAI Inbound Services / Oracle Utilities Customer Care and Billing Inbound Web Services commencing with 'WX' may only be used when users have separately licensed Oracle Utilities Customer Self Service.</p>
	<p>Oracle Utilities Customer Care and Billing Credit and Collections for Commercial &amp; Industrial Customers</p>	<p>Oracle Utilities Customer Care and Billing Credit and Collections for Commercial &amp; Industrial Customers provides functions for receivables management activities to manage incoming payments (except for the payment functions described under Oracle Utilities Customer Care and Billing Cashiering for Commercial &amp; Industrial Customers), credit &amp; collections / overdue processing related functions to segment the customer base and respond when payments are not forthcoming, pay plans, payment arrangements and deposits.</p> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• Oracle Utilities Customer Care and Billing Base for Commercial &amp; Industrial Customers</li> </ul>

Product	Subproduct	Licensing Information
	Oracle Utilities Customer Care and Billing Rating and Billing for Commercial & Industrial Customers	<p data-bbox="873 222 1507 373">Oracle Utilities Customer Care and Billing Rating and Billing for Commercial &amp; Industrial Customers provides rates and billing engines that can perform simple to complex calculations to produce bills and statements containing one or many sets of charges.</p> <p data-bbox="873 415 1507 499">A license to Oracle Utilities Customer Care and Billing Rating and Billing for Commercial &amp; Industrial Customers also includes a restricted use license to:</p> <ul data-bbox="922 510 1390 531" style="list-style-type: none"> <li data-bbox="922 510 1390 531">• Oracle Utilities Meter Data Management</li> </ul> <p data-bbox="873 552 1507 703">Use of Oracle Utilities Meter Data Management is restricted to the following functions solely to support the use of scalar billing* functions in Oracle Utilities Customer Care and Billing Rating and Billing for Commercial &amp; Industrial Customers.</p> <ol data-bbox="922 714 1507 940" style="list-style-type: none"> <li data-bbox="922 714 1507 835">a. Data validation, editing, and estimation (VEE) and creating usage transactions and scalar billing determinants for supporting traditional scalar billing* processes</li> <li data-bbox="922 856 1507 940">b. Estimating and creating usage transactions and bill determinants for supporting unmetered item billing processes</li> </ol> <p data-bbox="873 961 1507 1176">*Scalar billing refers to readings or quantities that are typically uploaded and validated at the same frequency as the creation of bills related to those meter devices. Where granularity of usage is monthly or longer, these are also treated as scalar billing, irrespective of bill frequency. Scalar billing does not include register reads or interval data coming from interval/smart devices.</p> <p data-bbox="873 1213 1224 1234">Examples of scalar billing include:</p> <ul data-bbox="922 1245 1484 1377" style="list-style-type: none"> <li data-bbox="922 1245 1484 1308">• Scalar meter data uploaded and validated monthly and billed monthly</li> <li data-bbox="922 1329 1484 1377">• Scalar meter data uploaded and validated monthly and billed quarterly</li> </ul>



Product	Subproduct	Licensing Information
		<p>Examples of billing not included with the restricted use license include but not limited to:</p> <ul style="list-style-type: none"> <li>• Meter data that is uploaded and validated daily but billed monthly</li> <li>• MV-90 Meters read monthly</li> <li>• Interval data or register reads from smart meters</li> <li>• Interval data or register reads from interval meters</li> </ul> <p>Note: This restricted use license allows users to create customizations for VEE (validating, estimating, editing measurement data) and scalar billing* determinants. This restricted use license also allows users to create customizations for unmetered item billing processes.</p> <p>This restricted use license excludes the use of Oracle Utilities Meter Data Management for other processes, including but not limited to: processing data for the purpose of interval billing (interval data or corresponding register reads), daily scalar billing (where meter data is uploaded and validated daily), device events, internet of things (IOT) devices, service investigation orders, smart meter commands, non-billing aggregations, etc. Further, this restricted use license does NOT allow users to create custom components related for the purposes of interval billing (interval data or corresponding register reads), daily scalar billing (where meter data is uploaded and validated daily) or other processes, including but not limited to processing data from frequently read scalar meter devices (where meter data is uploaded and validated daily), interval meter devices, device events, internet of things (IOT) devices, service investigative orders, smart meter commands, non-billing aggregations, etc.</p> <p>Any use not expressly permitted above is not included and requires a separate full use license for Oracle Utilities Meter Data Management.</p> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• Oracle Utilities Customer Care and Billing Base for Commercial &amp; Industrial Customers</li> </ul>

Product	Subproduct	Licensing Information
	Oracle Utilities Customer Care and Billing Rating and Billing for Interval Data for Commercial & Industrial Customers	<p>Oracle Utilities Customer Care and Billing Rating and Billing for Interval Data for Commercial &amp; Industrial Customers provides rating and billing functions to manage time-series or interval data and transform this data for use in complex billing scenarios.</p> <p>A license to Oracle Utilities Customer Care and Billing Rating and Billing for Interval Data for Commercial &amp; Industrial Customers includes licenses to Oracle Utilities Meter Data Management and Oracle Utilities Customer Care and Billing Integration to Oracle Utilities Meter Data Management.</p> <p>Use of Oracle Utilities Meter Data Management is restricted to:</p> <ul style="list-style-type: none"> <li>a. Data originating from interval meters including interval measurements or interval register measurements, and</li> <li>b. The following functions solely to support use of billing functions in Oracle Utilities Customer Care and Billing Rating and Billing for Commercial &amp; Industrial Customers: <ul style="list-style-type: none"> <li>a. Interval measurements* from interval meters, consisting solely of the following: <p>Loading interval measurements; limited interval data validation, editing and estimation (VEE) functionality (restricted to: Interval Size Validation, Interval Spike Check, and Interval Averaging Estimation); and creating usage transactions and bill determinants to support interval billing processes, and</p> </li> <li>b. Interval register measurements** from interval meters, consisting solely of the following: <p>Loading interval register measurements; limited interval register reading validation, editing and estimation (VEE) functionality (restricted to: Final Measurement Validation, High/Low Check, Multiplier Check, Negative Consumption Check, Raise Missing Quantity Exception, Unit of Measure Check, Zero Consumption Check, Scalar Estimation and Scalar Proration); and creating usage transactions and bill determinants to support interval register measurement billing processes.</p> </li> </ul> </li> </ul>

Product	Subproduct	Licensing Information
		<p>Note: This restricted use license allows users to create customizations to support validating and estimating measurements and creating bill determinants from interval meters. This restricted use license does NOT allow users to create custom components related to other processes such as processing data from traditional scalar meters (non-interval capable devices), device events, smart meter commands, non-billing aggregations, service orders, reader remarks, etc.</p> <p>Any use not expressly permitted above is not included and requires a separate full use license for Oracle Utilities Meter Data Management.</p> <p>* Interval measurements are defined as meter readings or quantities read at fixed time periods of at least once per hour (interval data does not include scalar/register readings or device events).</p> <p>** Interval register measurements are defined as meter readings or quantities read at intermittent periods (usually not a fixed time period) from an interval meter. These register measurements do not occur as frequently as interval measurements and are often used to validate interval measurements. Interval measurements do NOT include data coming from traditional scalar register meters (non-interval capable devices)</p> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• Oracle Utilities Customer Care and Billing Rating and Billing for Commercial &amp; Industrial Customers</li> </ul>
	Oracle Utilities Customer Care and Billing Cashiering for Commercial & Industrial Customers	<p>Oracle Utilities Customer Care and Billing Cashiering for Commercial &amp; Industrial Customers provides advanced online payment functions, through the included Payment Portal screen, to support the process of accepting different types of payments, such as CIS and Non CIS payments, and payments in alternate or multiple currencies.</p> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• Oracle Utilities Customer Care and Billing Credit and Collections for Commercial &amp; Industrial Customers</li> </ul>
	Oracle Utilities Customer Care and Billing Task Optimization Tools for Commercial & Industrial Customers	<p>Oracle Utilities Customer Care and Billing Task Optimization Tools for Commercial &amp; Industrial Customers contains a set of browser-based tools used to develop custom user interfaces and extend the application without the need for database changes or complex programming. These include portals, zones, business objects, business services, user interface maps, data areas and managed content.</p> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• Oracle Utilities Customer Care and Billing Base for Commercial &amp; Industrial Customers.</li> </ul>

Product	Subproduct	Licensing Information
	Oracle Utilities Customer Care and Billing Archiving for Commercial & Industrial Customers	<p data-bbox="873 220 1510 436">Oracle Utilities Customer Care and Billing Archiving for Commercial &amp; Industrial Customers contains a set of processes, algorithm types, and ILM-specific fields to support Information Lifecycle Management (ILM) functions for a number of high volume transactional data objects. These identify eligible historical records to facilitate the migration of data to lower cost storage or archived database.</p> <p data-bbox="873 478 1510 590">A license to Oracle Utilities Customer Care and Billing Archiving for Commercial &amp; Industrial Customers also includes a restricted use license to Oracle Utilities Information Lifecycle Management for Meter Data.</p> <p data-bbox="873 632 1510 688">Use of Oracle Utilities Information Lifecycle Management for Meter Data is restricted to:</p> <ul style="list-style-type: none"> <li data-bbox="922 699 1451 753">a. Archiving of meter data used solely to support traditional scalar billing* functions</li> </ul> <p data-bbox="873 774 1510 1020">Note: Oracle Utilities Information Lifecycle Management for Meter Data does not support archiving scalar billing* data only. Customers wishing to use this archiving module will be required to purchase a license to Oracle Utilities Information Lifecycle Management for Meter Data for their other non-scalar billing devices. Any use not expressly permitted above is not included and requires a separate full use license for Oracle Utilities Information Lifecycle Management for Meter Data.</p> <p data-bbox="873 1062 1510 1278">*Scalar billing refers to readings or quantities that are typically uploaded and validated at the same frequency as the creation of bills related to those meter devices. Where granularity of usage is monthly or longer, these are also treated as scalar billing, irrespective of bill frequency. Scalar billing does not include register reads or interval data coming from interval/smart devices.</p> <p data-bbox="873 1320 1027 1341"><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li data-bbox="922 1352 1411 1373">• Oracle Database Server Enterprise Edition</li> </ul> <p data-bbox="971 1394 1495 1451"><b>Note:</b> Oracle Database Enterprise Edition and the Partitioning option is mandatory.</p> <ul style="list-style-type: none"> <li data-bbox="922 1472 1495 1528">• Oracle Utilities Customer Care and Billing Base for Commercial &amp; Industrial Customers</li> </ul>

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Product	Subproduct	Licensing Information
	Oracle Utilities Customer Care and Billing Customer Program Management for Commercial & Industrial Customers	<p>Oracle Utilities Customer Care and Billing Customer Program Management for Commercial &amp; Industrial Customers provides functions for implementing a variety of initiatives to encourage targeted customers to participate in a specific program or programs. It allows a structured marketing effort for each initiative to be configured, an initiative's individual leads to be assigned and managed by representatives, and specific business processing to be applied based on the customer's specific response to an initiative.</p> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"><li>• Oracle Utilities Customer Care and Billing Base for Commercial &amp; Industrial Customers</li></ul>

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# Chapter 3

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ANTLR	ANTLR	4.5	Copyright (c) 2012 Terence Parr and Sam Harwell All rights reserved.
ANTLR	ANTLR	4.5.3	Copyright (c) 2012 Terence Parr and Sam Harwell All rights reserved.
ANTLR	Antlr.runtime	3.2	Copyright (c) 2012 Terence Parr and Sam Harwell All rights reserved.
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Apache	Apache XMLBeans	3.0.1	
Apache	bsf.jar	2.4.0	
Apache	cglib	3.2.4	
Apache	commons-cli	1.3.1	
Apache	commons-codec	1.9	
Apache	commons-collections	3.2.2	
Apache	commons-Fileupload	1.3.3	
Apache	commons-io	1.3.2	

<b>Provider</b>	<b>Component</b>	<b>Version</b>	<b>License Information</b>
Apache	commons-lang	2.2	
Apache	commons-Logging	1.2	
Apache	Groovy	2.4.5	
Apache	HTTP Components Cache	4.1.2	
Apache	HTTP Components Mime	4.1.2	
Apache	HttpComponents Core	4.4.9	
Apache	HttpComponents HttpClient	4.5.5	
Apache	Log4j	2.8.2	
Apache	Velocity	1.7	
Apache	Xalan	2.7.2	
Apache Software Foundation	Apache Cordova	7.0.0	
Apache Software Foundation	commons Beanutils	1.9.3	
Apache Software Foundation	Cordova Android	6.4.0	
Apache Software Foundation	Cordova Camera Plugin	4.0.3	
Apache Software Foundation	Cordova Command Line Interface	8.0.0	
Apache Software Foundation	Cordova Device Plugin	2.0.2	
Apache Software Foundation	Cordova File Plugin	6.0.1	
Apache Software Foundation	Cordova File Transfer Plugin	1.7.1	
Apache Software Foundation	Cordova Geolocation Plugin	4.0.1	
Apache Software Foundation	Cordova inappbrowser plugin	3.0.0	

<b>Provider</b>	<b>Component</b>	<b>Version</b>	<b>License Information</b>
Apache Software Foundation	Cordova iOS	4.4.0	
Apache Software Foundation	Cordova Network Information Plugin	2.0.1	
Apache Software Foundation	Cordova WebSQL PlugIn	0.0.10	
Apache Software Foundation	Cordova Whitelist Plugin	1.0.0	
Apache Software Foundation	cordova-plugin-compat	1.1.0	
Brinley Ang	JSignature	2	Copyright (c) 2012 Willow Systems Corp <a href="http://willow-systems.com">http://willow-systems.com</a>
Castor Project	Castor	1.4.1	Copyright 2004-2005 Werner Guttmann  Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>
Chromium	Cordova Zip Plugin	3.1.0	
Codehaus	Jettison	1.3.8	Copyright 2006 Envoi Solutions LLC  Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>
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jQuery	jQueryUI	1.12.1	Copyright (c) 2010 Paul Bakaus, <a href="http://jqueryui.com/">http://jqueryui.com/</a> .
jQuery	jQueryMobile	1.4.2	Copyright 2013 jQuery Foundation and other contributors <a href="http://jquery.com/">http://jquery.com/</a>
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Opensource	Cordova App-Event Plugin	1.2.1	
Opensource	Cordova BackgroundFetch	5.3.0	
Opensource	Cordova Local Notification Plugin	0.8.5	
Opensource	Cordova SQLite storage adapter	2.3.3	
Opensource	Cordova Websocket PlugIn (KNOWLEDGECODE)	0.12.2	
PhoneGap	Cordova Plugin for Barcode Scanner	8.0.0	
Quality Open Software	Simple Logging Façade for Java (SLF4J)	1.6.4	Copyright (c) 2004-2011 QOS.ch All rights reserved.  Refer to <a href="http://www.slf4j.org/license.html">http://www.slf4j.org/license.html</a> .
Red Hat	jboss-logging	3.3.0. FINAL	
Sebastián Katzer	Cordova BackgroundMode PlugIn	0.7.2	
Steven Sanderson	Knockout Mapping	2.4.1	Copyright (c) Steven Sanderson, Roy Jacobs
Steven Sanderson	Knockout.js	3.4.2	Copyright (c) Steven Sanderson, Roy Jacobs
SmartBear Software	swagger-ui	3.18.1	Copyright (c) 2016 SmartBear Software
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Unicode, Inc.	ICU	63.1	Copyright © 1991-2018 Unicode, Inc. All rights reserved.
XmlPull Project (xmlpull.org)	Xmlpull	1.1.3.1	Initial authors:  Stefan Haustein Aleksander Slominski  2001-12-12

# Chapter 4

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- bsf-2.4.0.jar
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- castor-1.3.2-xml-schema.jar
- castor-1.3.2-xml.jar
- cglib-3.1.jar

- commons-logging-1.2.jar
- commons-beanutils-core-1.8.3.jar
- commons-cli-1.1.jar
- commons-codec-1.9.jar
- commons-collections-3.2.2.jar
- commons-fileupload-1.3.1.jar
- commons-httpclient-4.5.1.jar
- commons-io-1.3.2.jar
- commons-lang-2.2.jar
- commons-logging-1.2.jar
- ehcache-core-2.5.2.jar
- groovy-2.4.5.jar
- httpcore-4.4.3.jar
- jackson-core-asl-1.9.2.jar
- jackson-jaxrs-1.9.2.jar
- jackson-mapper-asl-1.9.2.jar
- jackson-xc-2.8.5.jar
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- joda-time-2.3.jar
- log4j-api-2.8.2.jar
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- Cordova Geolocation plugin
- Cordova InAppBrowser plugin
- Cordova Local Notification plugin
- Cordova Network Information plugin
- Cordova Plugin Statusbar
- Cordova SQLite Storage Adapter
- Cordova Websocket plugin
- Cordova WebSQL plugin
- Cordova Whitelist plugin
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Version 2.0, January 2004

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jQuery Wiggle

Author: WonderGroup, Jordan Thomas

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swagger-ui.js

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